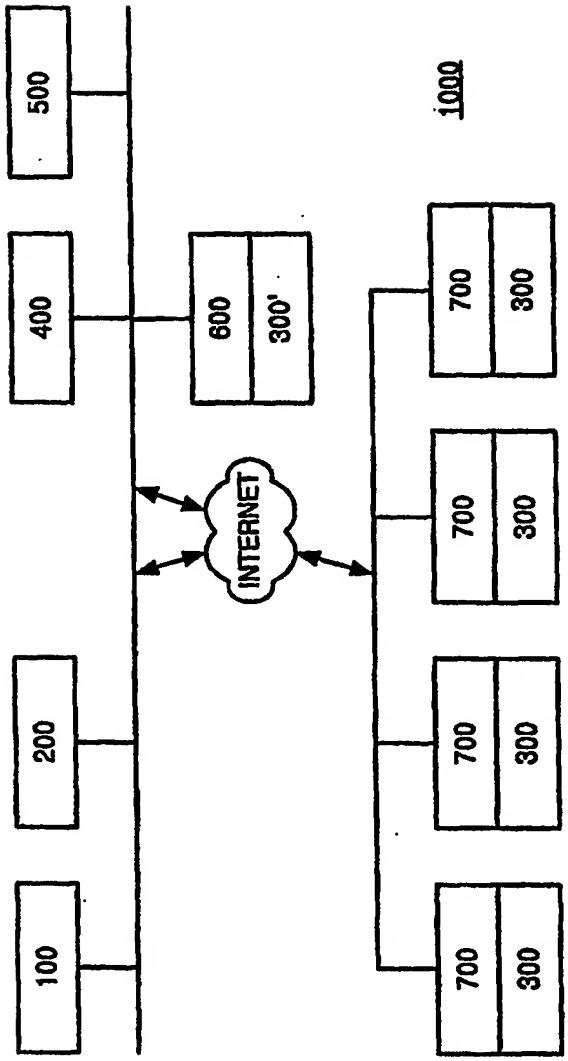


FIG. 1

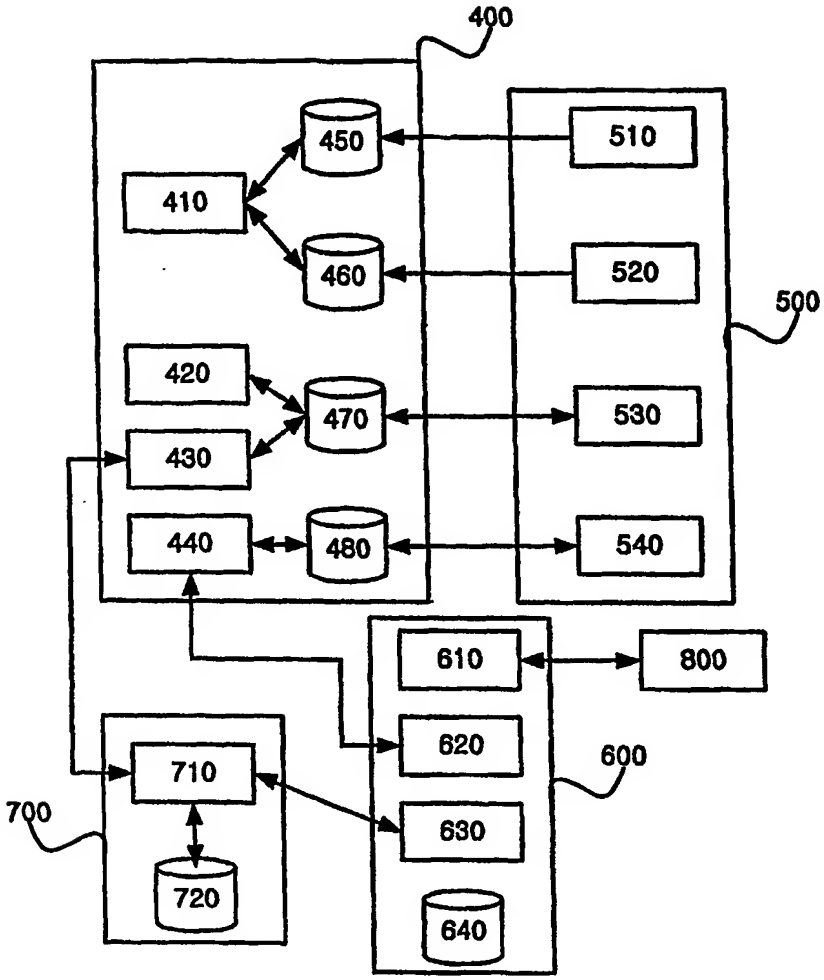
400
450
510
410
460
520
500
420
470
530
430
440
480
540
610
800
620
600
710
700
630
720
640

FIG. 2A

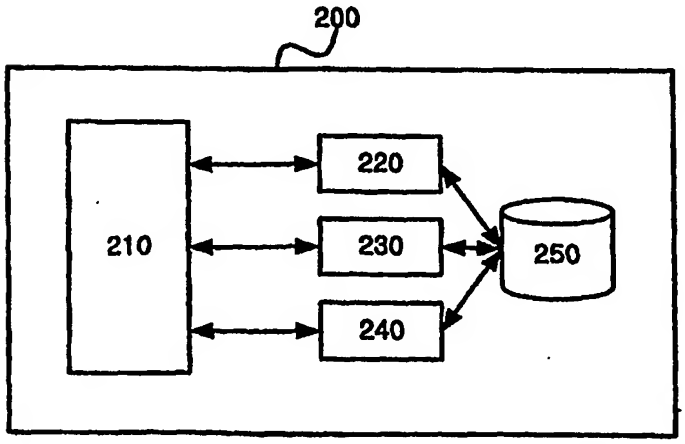
200
210
220
230
250
240

FIG. 2B

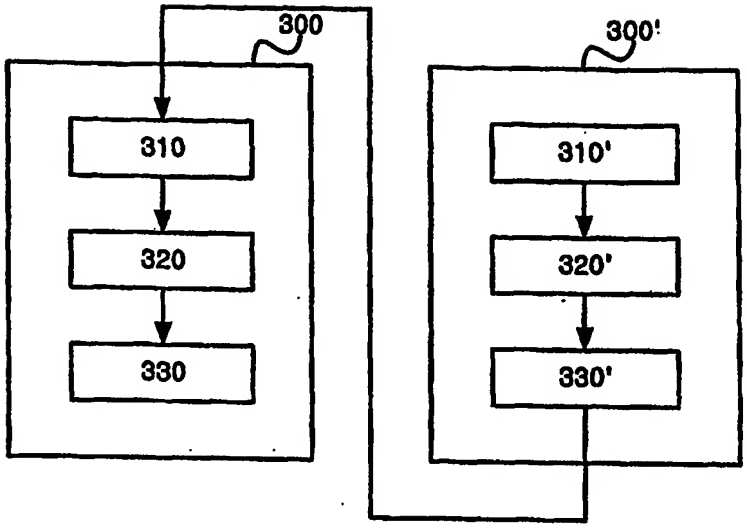
300
310
320
330
300'
310'
320'
330'

FIG. 2C

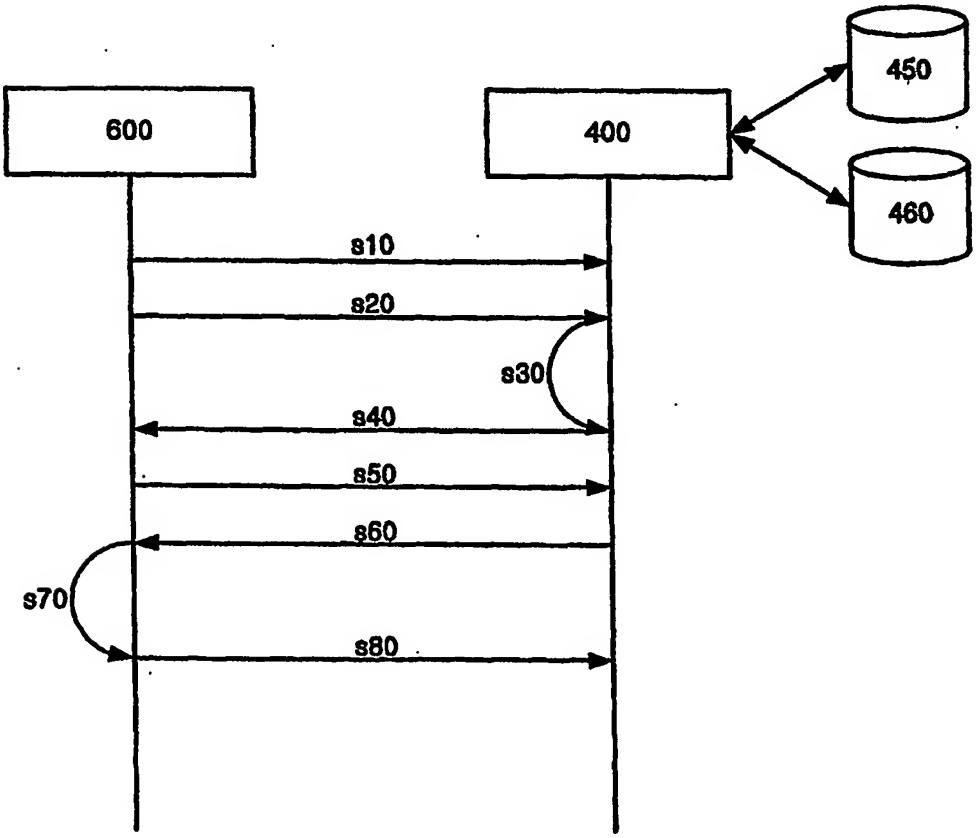
600
400
450
460
s10
s20
s30
s40
s50
s60
s70
s80

FIG. 3

| Company | Group Name | TID | Shop Name | Date | fcs |
|---|---|---|---|---|---|
| Enpia | Seoul | 0001 | Seoul_0001 | 2003-08-12 | 01.fcs |
| Enpia | Seoul | 0002 | Seoul_0002 | 2003-08-12 | 02.fcs |
| Enpia | Inchon | 0003 | Inchon_0002 | 2003-08-13 | 03.fcs |

FIG. 4

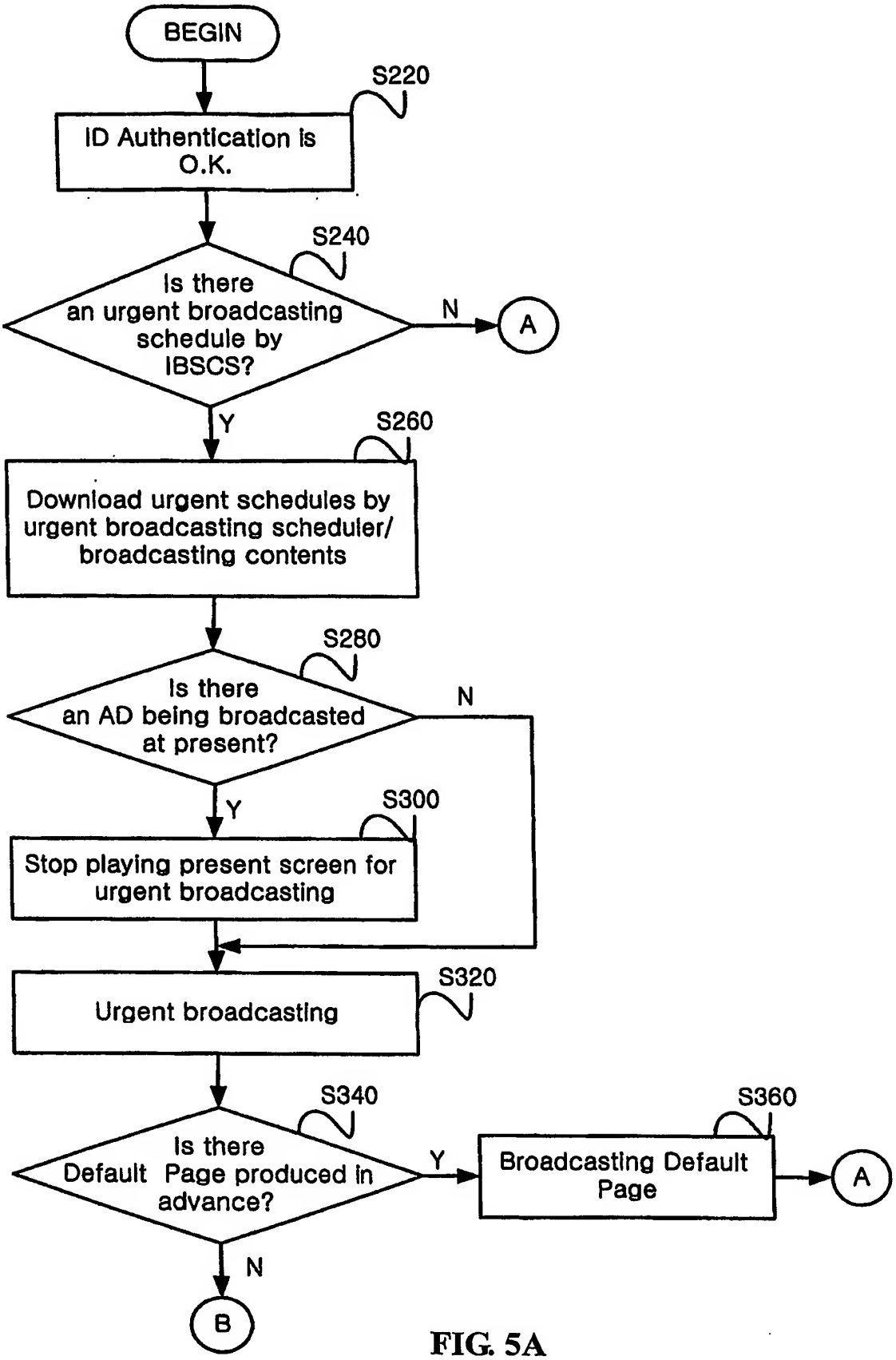
BEGIN
S220
ID Authentication is O.K.
S240
Is there an urgent broadcasting schedule by IBSCS?
N
A
Y
S260
Download urgent schedules by urgent broadcasting scheduler/ broadcasting contents
S280
Is there an AD being broadcasted at present?
N
Y
S300
Stop playing present screen for urgent broadcasting
S320
Urgent broadcasting
S340
Is there Default Page produced in advance?
Y
S360
Broadcasting Default Page
A
N
B

FIG. 5A

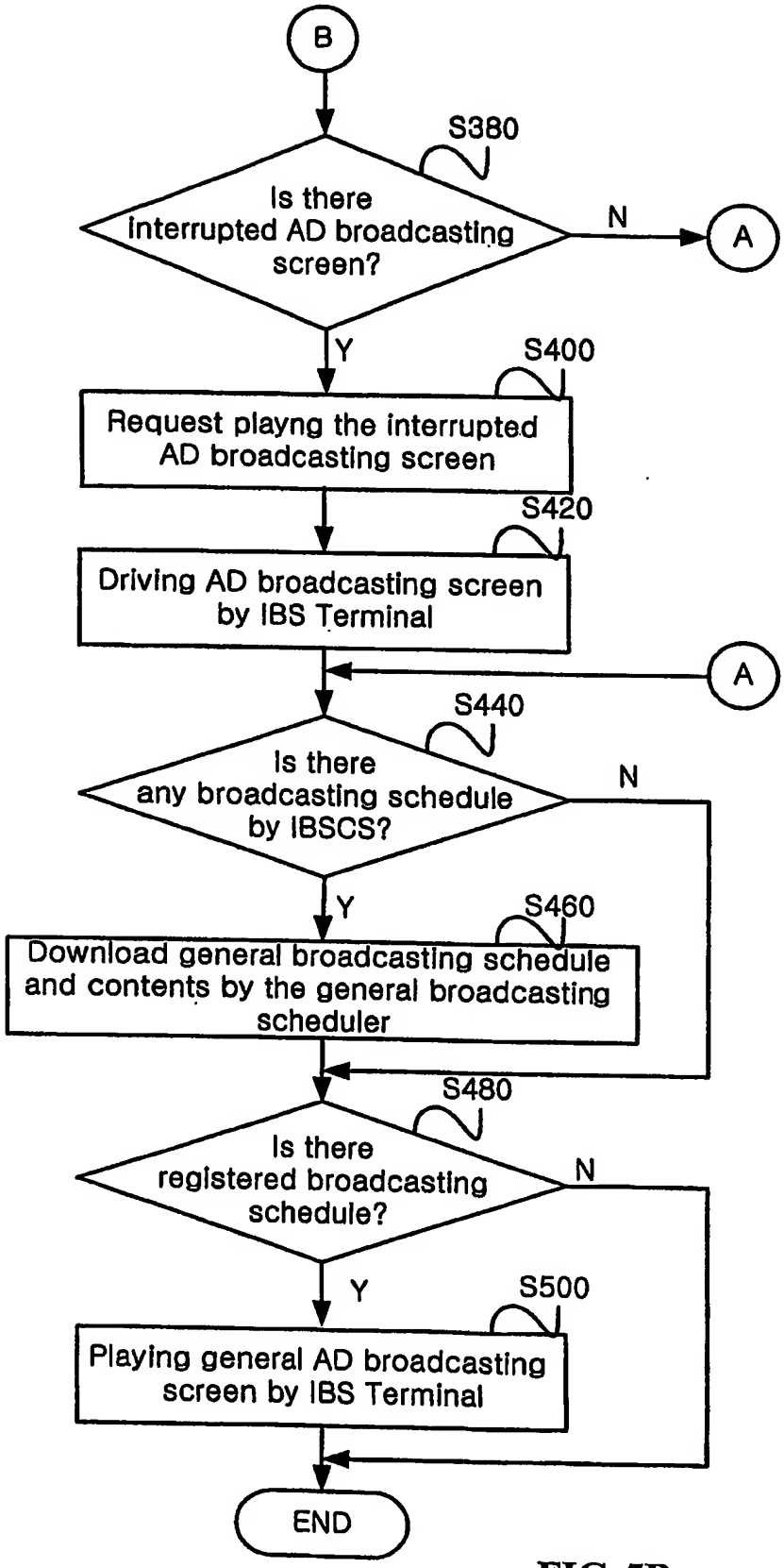
B
S380
Is there interrupted AD broadcasting screen?
N
A
Y
S400
Request playng the interrupted AD broadcasting screen
S420
Driving AD broadcasting screen by IBS Terminal
A
S440
Is there any broadcasting schedule by IBSCS?
N
Y
S460
Download general broadcasting schedule and contents by the general broadcasting scheduler
S480
Is there registered broadcasting schedule?
N
Y
S500
Playing general AD broadcasting screen by IBS Terminal
END

FIG. 5B

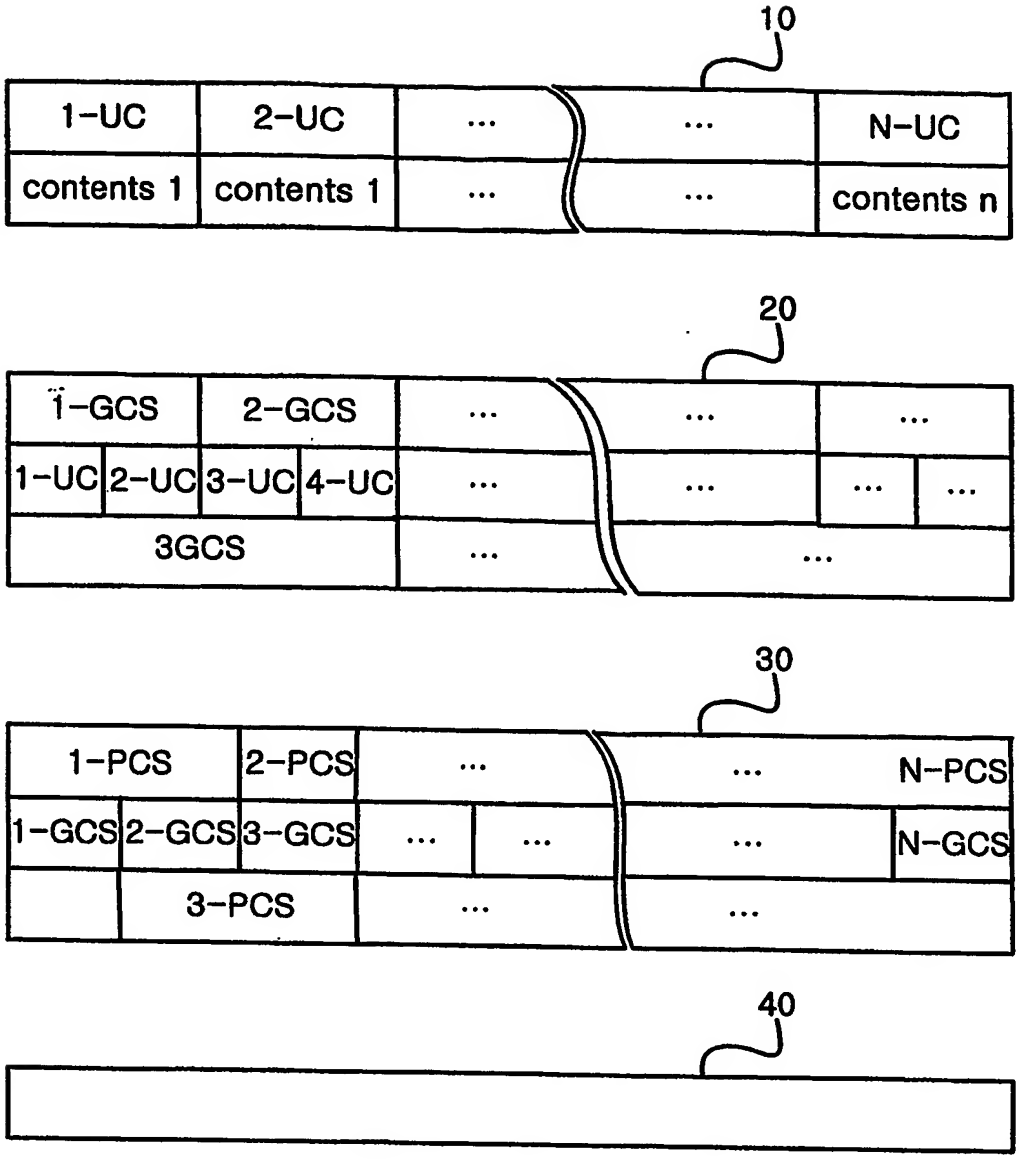
10
1-UC
2-UC
...
...
N-UC
contents 1
contents 1
...
...
contents n
20
1-GCS
2-GCS
...
...
...
1-UC
2-UC
3-UC
4-UC
...
...
...
...
3GCS
...
...
30
1-PCS
2-PCS
...
...
N-PCS
1-GCS
2-GCS
3-GCS
...
...
...
N-GCS
3-PCS
...
...
40

FIG. 6

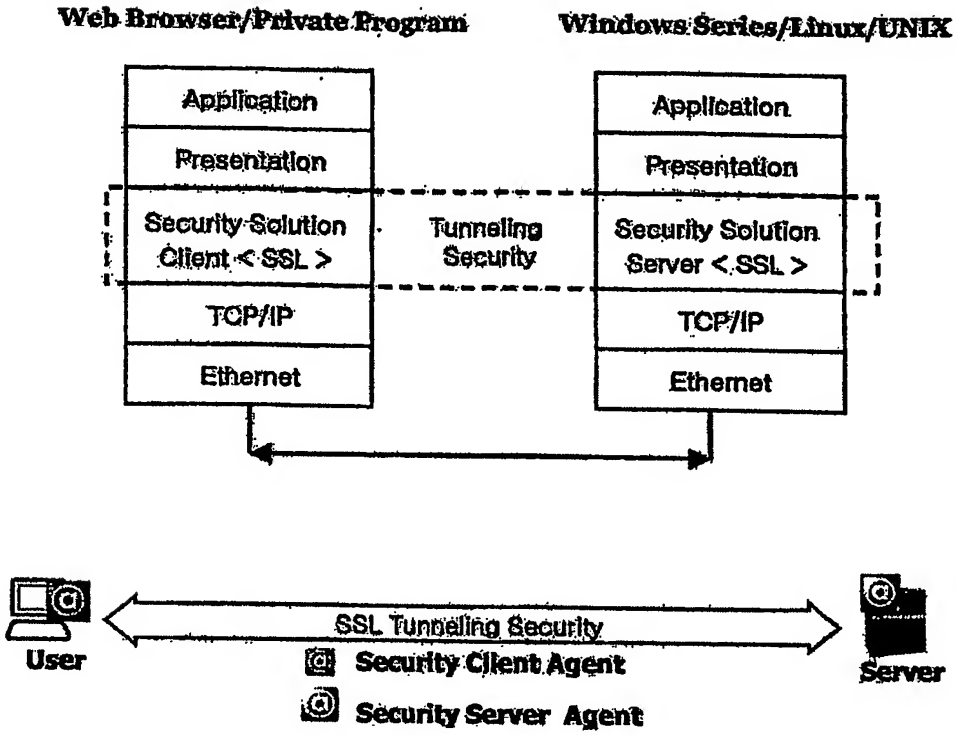
Web Browser/Private Program
Windows Series/Linux/UNIX
Application
Presentation
Security Solution Client <SSL>
Tunneling Security
Security Solution Server <SSL>
TCP/IP
Ethernet
Application
Presentation
TCP/IP
Ethernet
User
SSL Tunneling Security
Security Client Agent
Security Server Agent
Server

FIG. 7

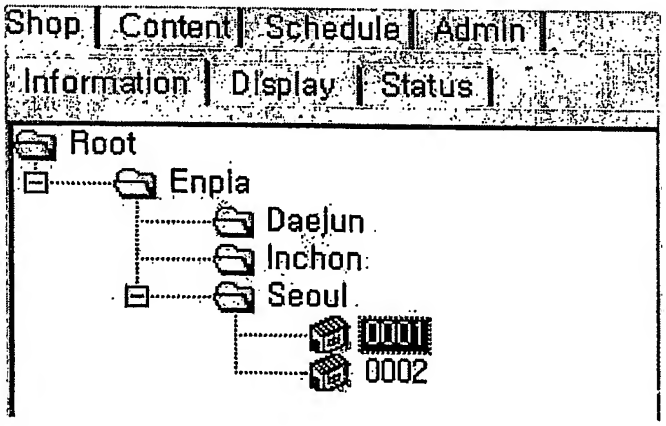
Shop
Content
Schedule
Admin
Information
Display
Status
Root
Enpia
Daejun
Inchon
Seoul
0001
0002

FIG. 8A

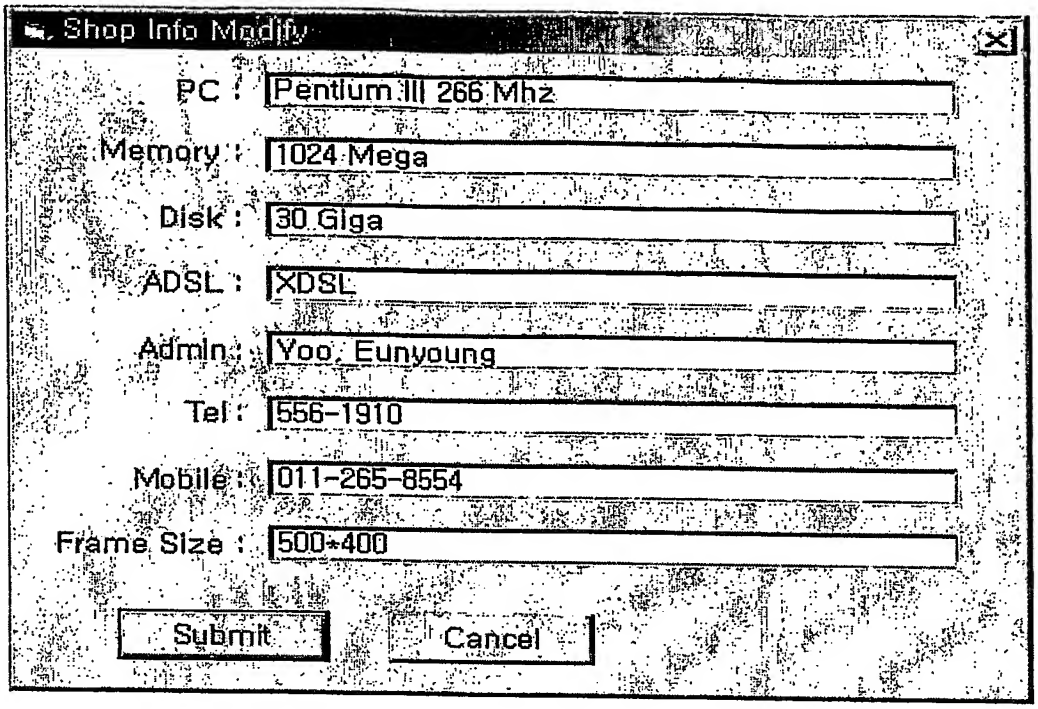
Shop Info Modify
PC :
Pentium III 266 Mhz
Memory :
1024 Mega
Disk :
30 Giga
ADSL :
XDSL
Admin :
Yoo, Eunyoung
Tel :
556-1910
Mobile :
011-265-8554
Frame Size :
500*400
Submit
Cancel

FIG. 8B

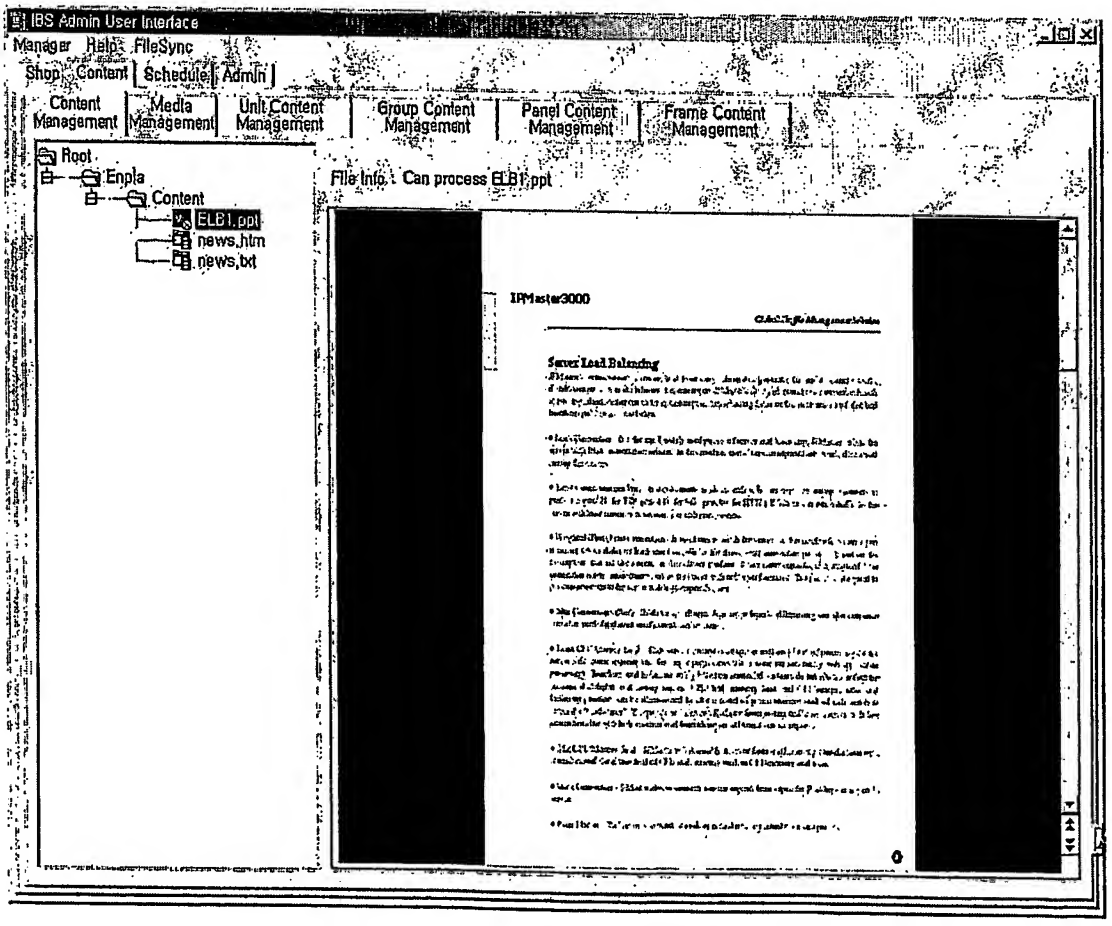
IBS Admin User Interface
Manager Help FileSync
Shop Content Schedule Admin
Content Management
Media Management
Unit Content Management
Group Content Management
Panel Content Management
Frame Content Management
Root
Enpia
Content
ELB1.ppt
news.htm
news.txt
File Info : Can process ELB1.ppt
IPMaster3000
Server Load Balancing

FIG. 9A

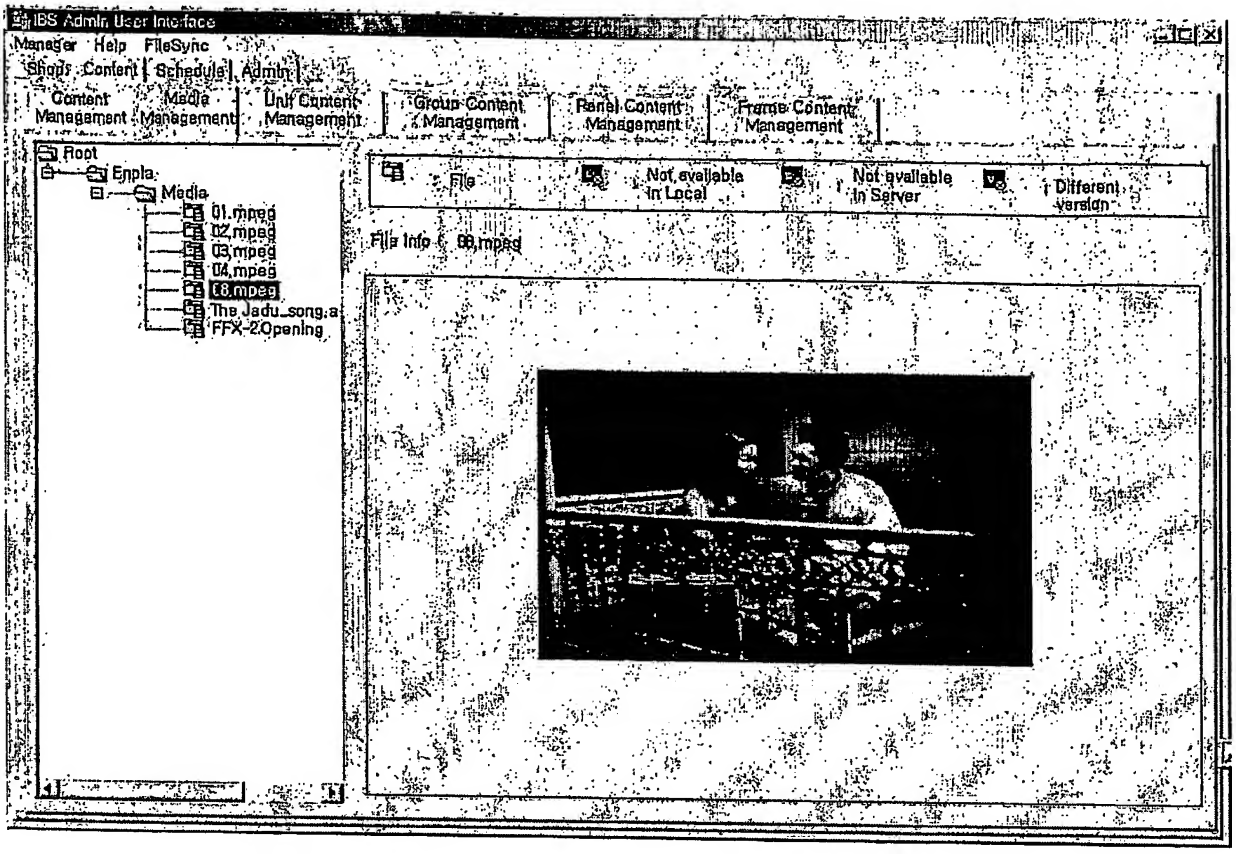


FIG. 9B

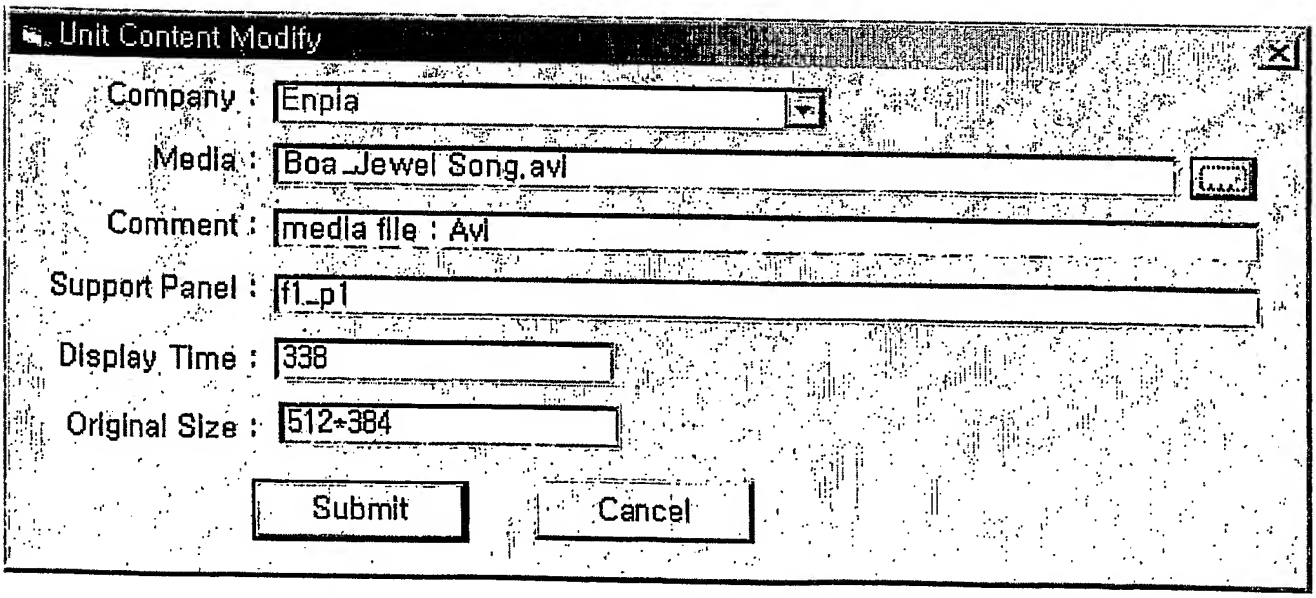


FIG. 10A

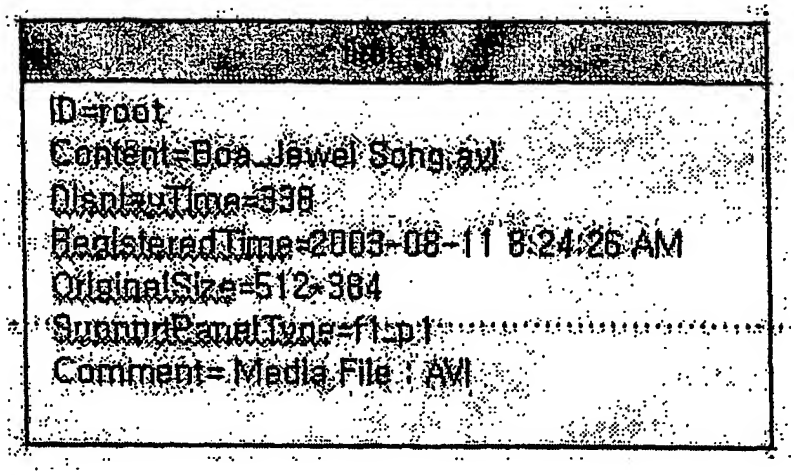


FIG. 10B

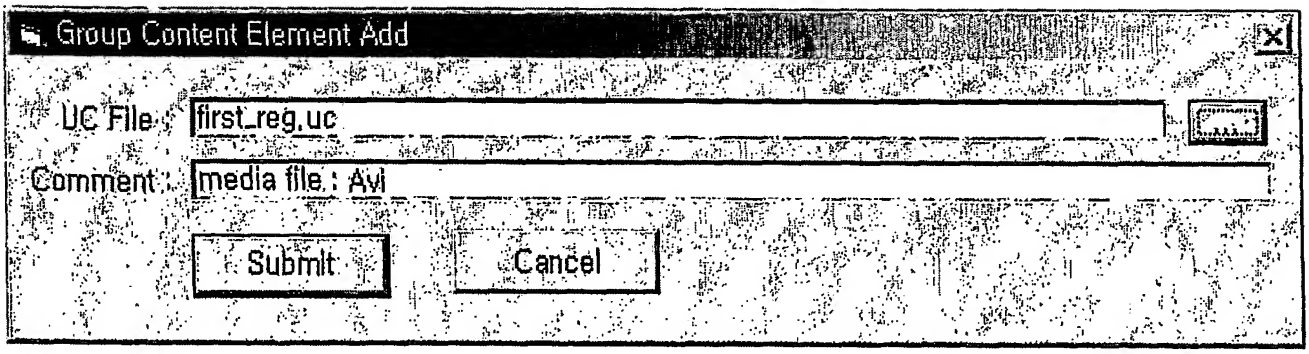


FIG. 11A

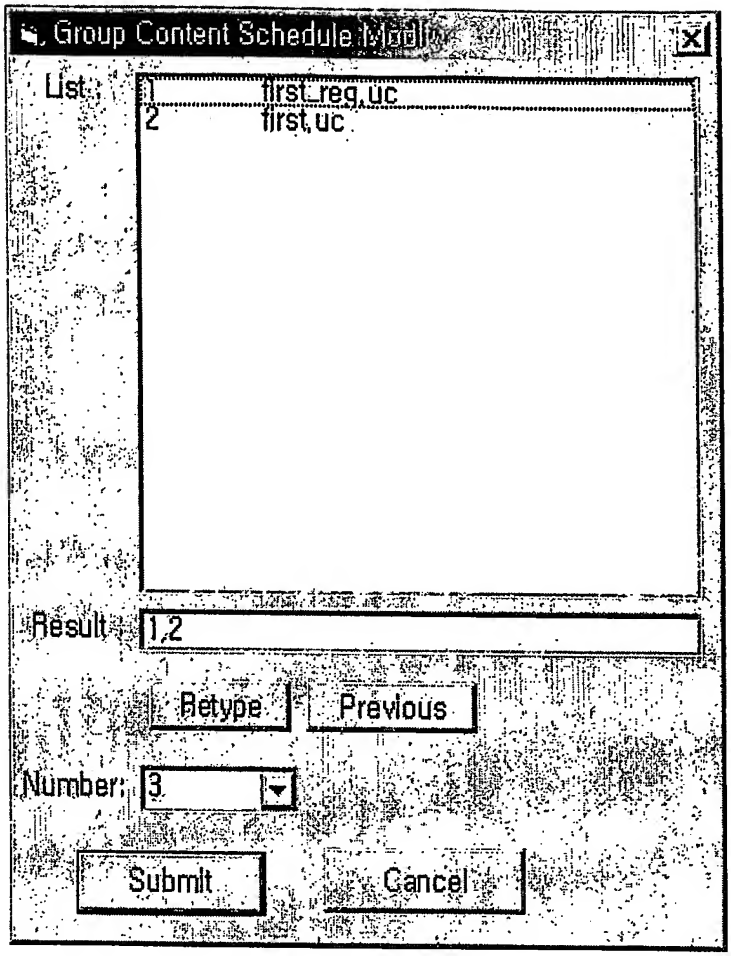
Group Content Schedule Modify
List:
1 first_reg.uc
2 first.uc
Result:
1,2
Retype
Previous
Number:
3
Submit
Cancel

FIG. 11B

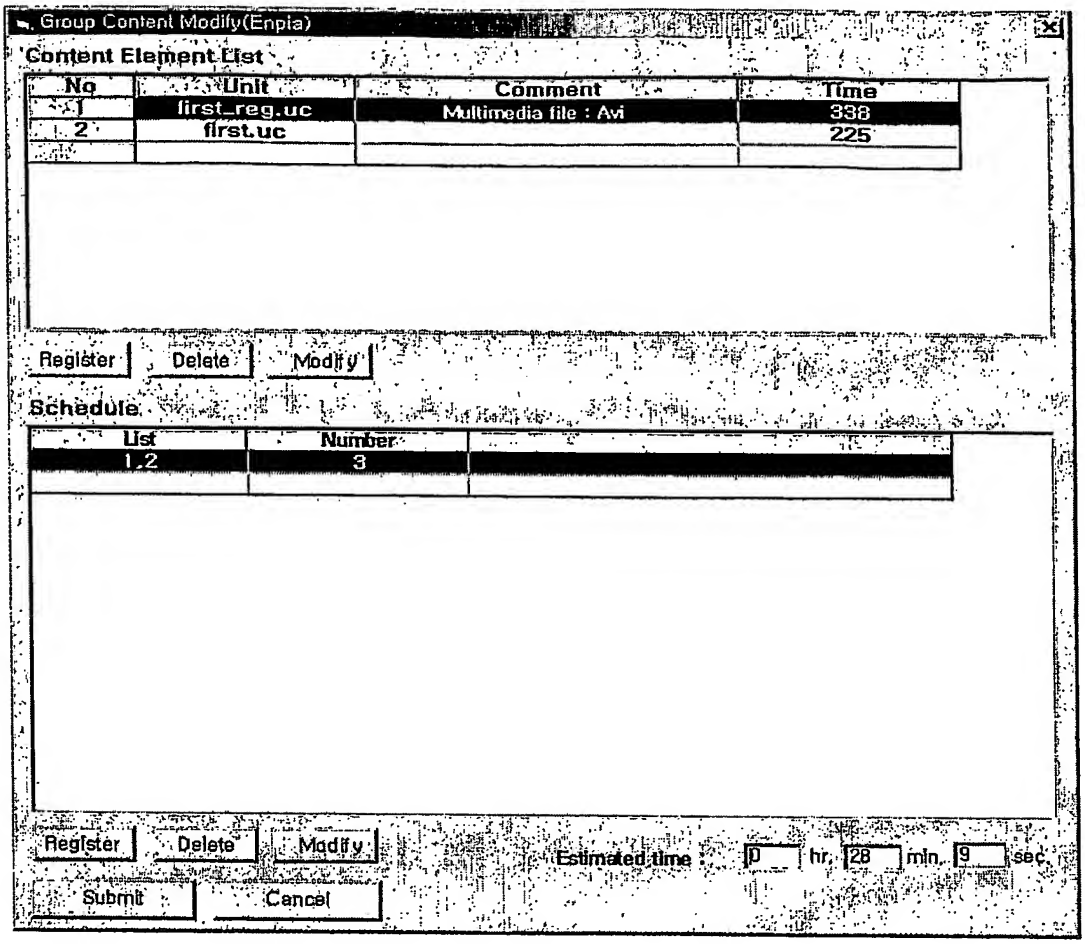


FIG. 11C

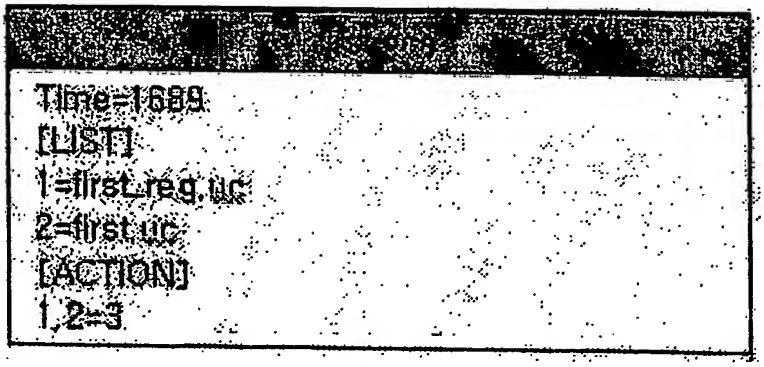


FIG. 11D

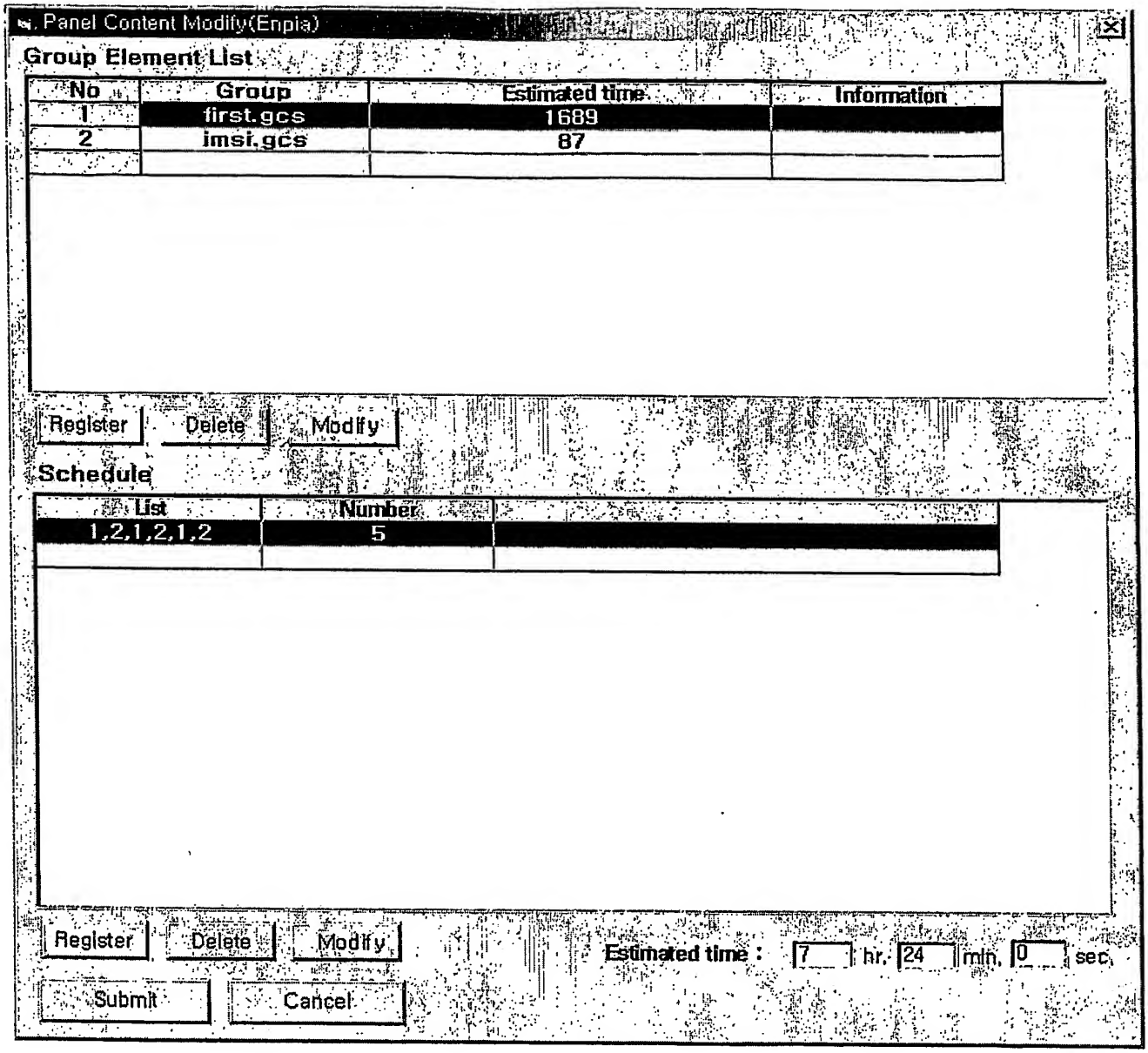
Panel Content Modify(Enpia)
Group Element List
No
Group
Estimated time
Information
1
first.gcs
1689
2
imsi.gcs
87
Register
Delete
Modify
Schedule
List
Number
1,2,1,2,1,2
5
Register
Delete
Modify
Estimated time :
7
hr.
24
min.
0
sec.
Submit
Cancel

FIG. 12A

| first.pcs |
| --- |
| Time=26640<br>[LIST]<br>1=first.gcs<br>2=imsi.gcs<br>[ACTION]<br>1,2,1,2,1,2=5 |

FIG. 12B

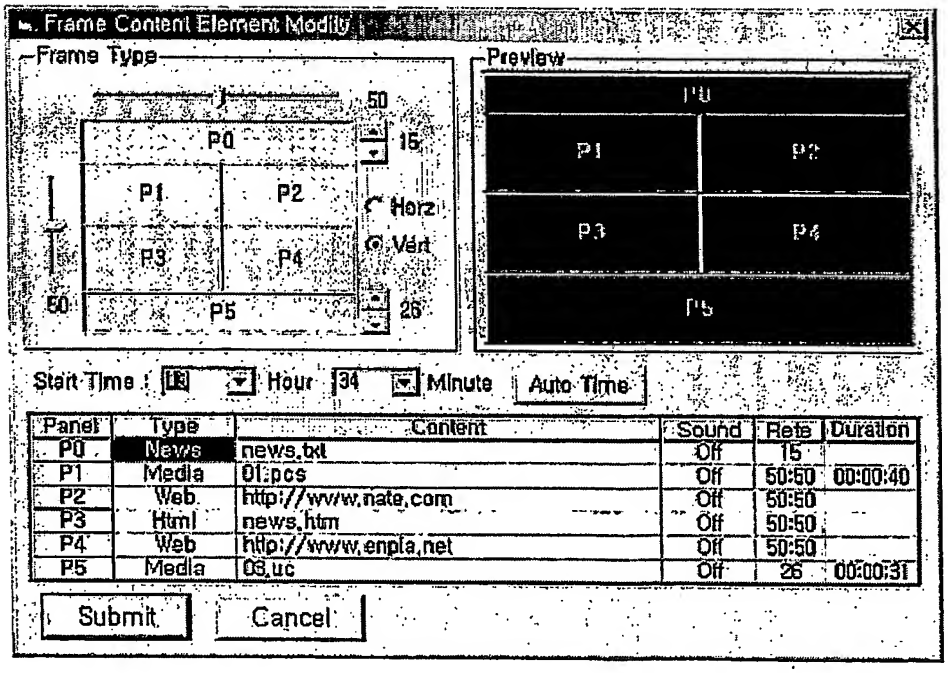


FIG. 13A

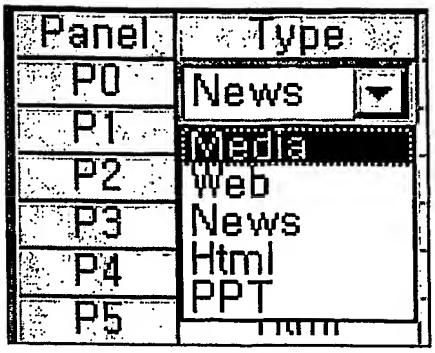


FIG. 13B

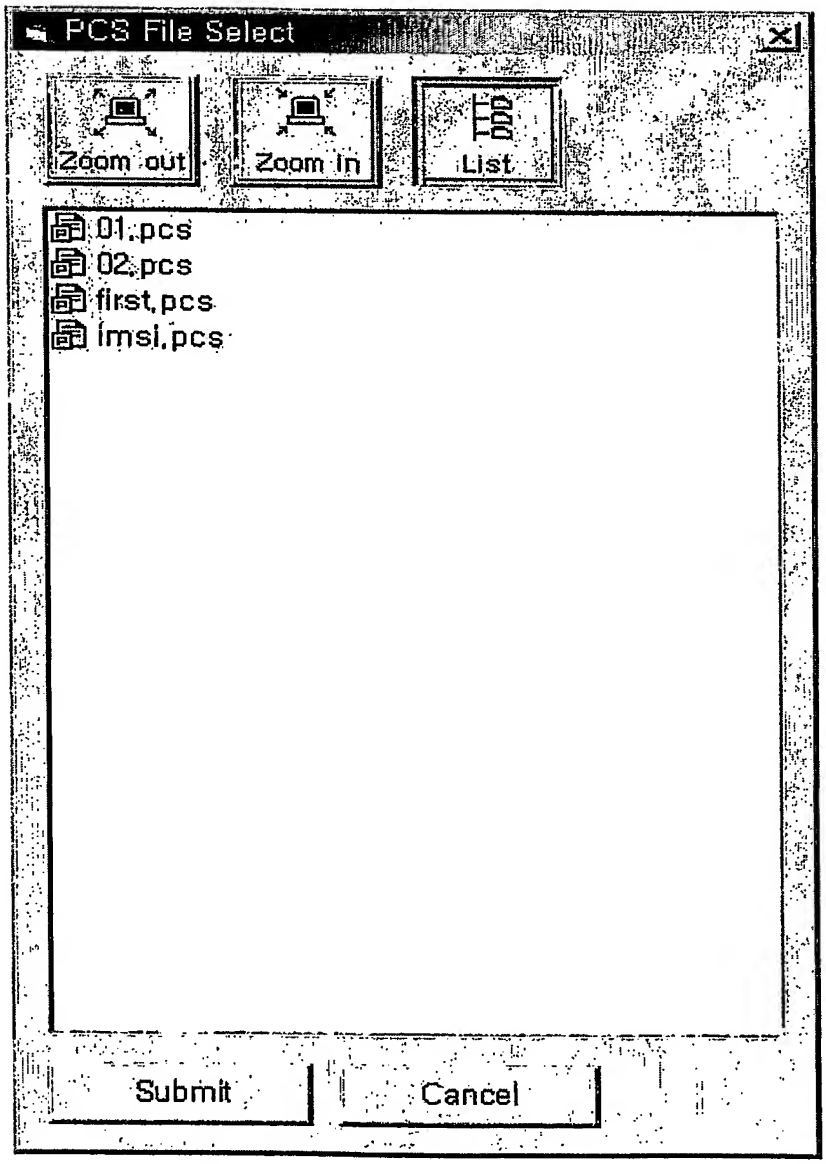


FIG. 13C

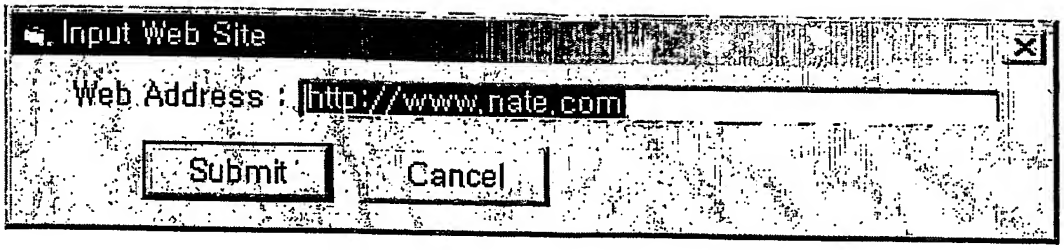


FIG. 13D

FCS File

| Time | Panel | Type | Content | Sound | Rate | Duration |
|---|---|---|---|---|---|---|
| 17:07 (Horz) | P0 | News | news.txt | Off | 10 | |
| | P1 | Media | 01.uc | On | 40:50 | 00:00:20 |
| | P2 | Web | http://www.nate.com | Off | 60:50 | |
| | P3 | None | | Off | 40:50 | |
| | P4 | None | | Off | 60:50 | |
| | P5 | Html | news.htm | Off | 10 | |
| 17:08 (Horz) | P0 | None | | Off | 10 | |
| | P1 | Media | 02.gcs | Off | 50:50 | 00:00:32 |
| | P2 | None | | Off | 50:50 | |
| | P3 | None | | Off | 50:50 | |
| | P4 | None | | Off | 50:50 | |
| | P5 | None | | Off | 10 | |
| 17:09 (Horz) | P0 | None | | Off | 10 | |
| | P1 | Media | First.uc | On | 50:50 | 00:00:23 |
| | P2 | None | | Off | 50:50 | |
| | P3 | None | | Off | 50:50 | |
| | P4 | None | | Off | 50:50 | |
| | P5 | News | news.txt | Off | 12 | |

FIG. 14A

```
Count=3
[1]
Time=17:07(Horz)
P0=News|news.txt|Off|10|
P1=Media|01.ucc|On|40:50|00:00:20
P2=Web|http://www.cate.com|Off|60:50|
P3=None||Off|40:50|
P4=None||Off|60:50|
P5=Html|news.htm|Off|10|
[2]
Time=17:08(Horz)
P0=None||Off|10|
P1=Media|02.ucc|Off|50:50|00:00:32
P2=None||Off|50:50|
P3=None||Off|50:50|
P4=None||Off|50:50|
P5=None||Off|10|
[3]
Time=17:09(Horz)
P0=None||Off|10|
P1=Media|sample.ucc|On|50:50|00:00:23
P2=None||Off|50:50|
P3=None||Off|50:50|
P4=None||Off|50:50|
P5=News|news.txt|Off|12|
```

FIG. 14B

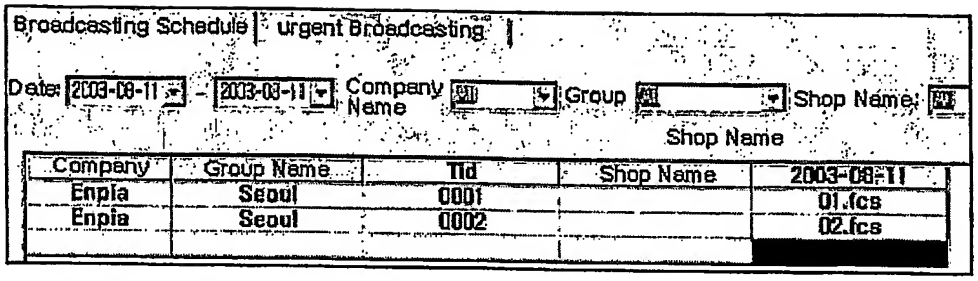


FIG. 15

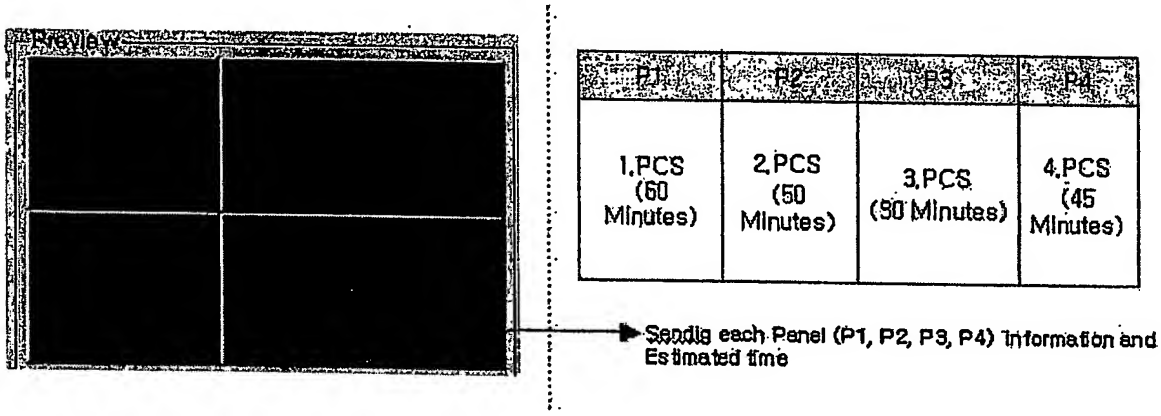


FIG. 16A

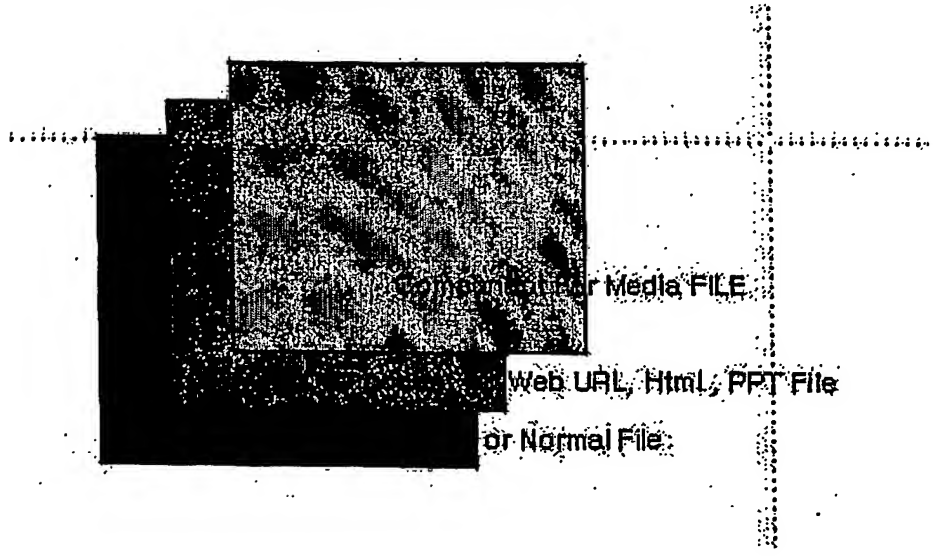


FIG. 16B

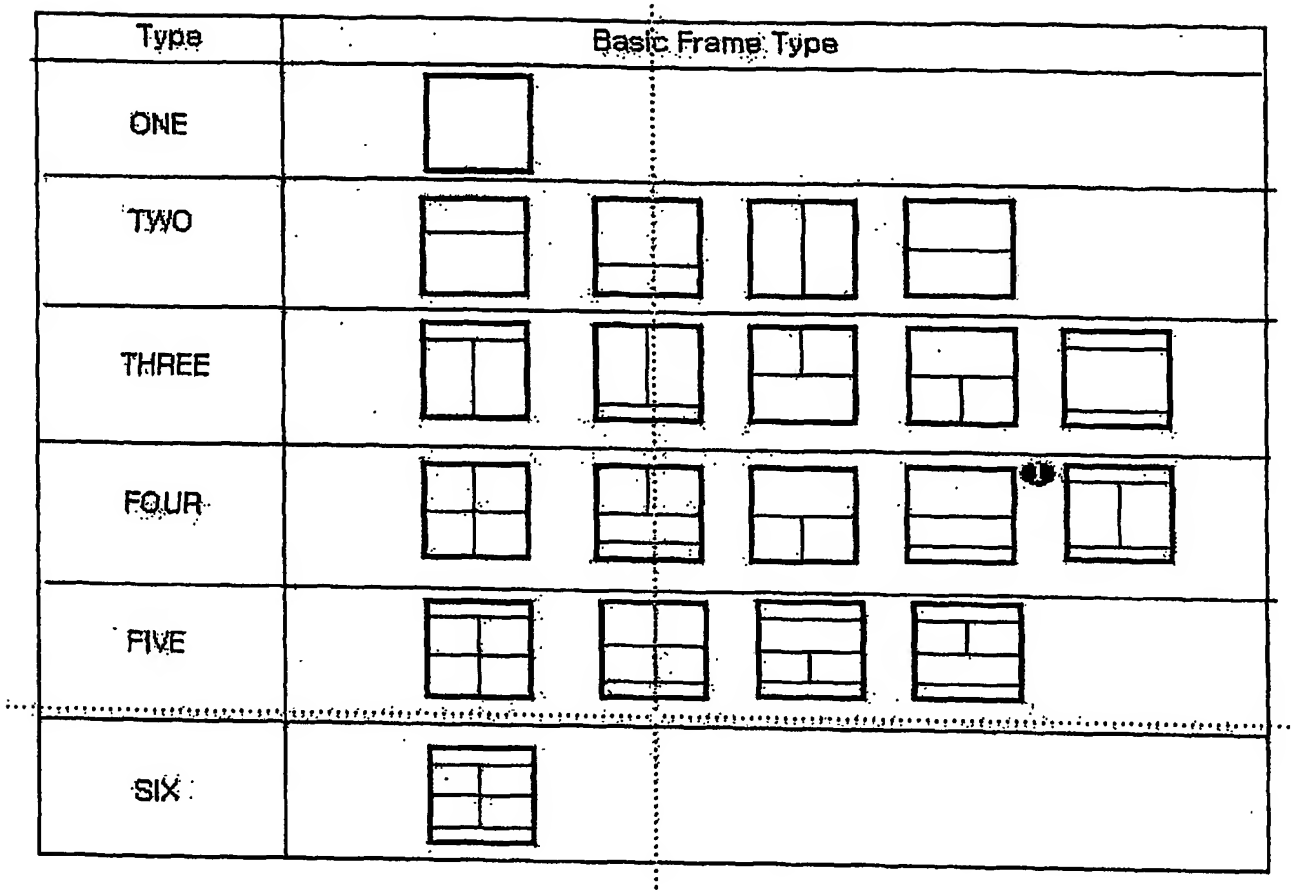


FIG. 17